
FORT CAMPBELL ENVIRONMENTAL HANDBOOK
Guidance and Instructions
USED ANTIFREEZE MANAGEMENT

January 2001

1. **Purpose and Scope:**

This annex provides guidance for the proper management of used antifreeze.

2. **Reference:**

- a. 29 CFR Occupational safety and Health Administration, Part 1910
- b. 40 CFR Protection of the Environment, Part 260 - 280
- c. 49 CFR Transportation, Part 171 - 178
- d. Tennessee Hazardous Waste Regulations
- e. AR 200-1, Environmental Protection and Enhancement
- f. AR 420-47, Solid and Hazardous Waste Management

3. **Definitions:**

- a. Contaminated Used Antifreeze. Antifreeze drained from a vehicle with a cracked block or engine which because of its mechanical condition could allow oil or fuel to mix with the coolant.
- b. Used Antifreeze. Antifreeze drained from a vehicle which does not have a cracked block, cracked head gasket, or any other source of contaminants such as oil or fuel.

Note: This product is exempt from the hazardous waste stream and therefore DOES NOT REQUIRE A SATELLITE ACCUMULATION POINT (SAP) as discussed in Chapter 11

- c. Unit Environmental Quality Officer (EQO). Person responsible for the unit environmental program including the hazardous waste.
- d. Recycled Antifreeze: Antifreeze that has been recycled and is in proper condition to be used in vehicles. This antifreeze is premixed at a 50/50 ratio. Additional water should not be added as it will reduce the protection factor.

4. **General:**

- a. Used antifreeze is not considered to be a hazardous waste unless it is contaminated with some constituent which may make it a hazardous waste.
- b. When maintenance personnel are draining antifreeze from vehicles, every effort should be made to prevent the contamination of the antifreeze with the oil or other engine fluids.

5. **Responsibilities:**

- a. Unit EQO will:
 - 1) Ensure the unit is aware of the antifreeze recycling program.
 - 2) Ensure that proper labeling of USED ANTIFREEZE drum occurs.

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- b. The Environmental Division will provide units with plastic containers, which are colored coded blue, for storing and transporting Recycled Antifreeze.

Note: These blue containers will be dedicated to the antifreeze recycling program and are to be used for Recycled Antifreeze ONLY.

- c. Department of Logistics (DOL) staff will recycle the Used Antifreeze and make Recycled Antifreeze available to organizations who need antifreeze.

6. **Instruction:**

COLLECTION OF USED ANTIFREEZE

- a. Maintenance Personnel will:

- 1) Determine before draining antifreeze that it is potentially contaminated by oil or fuel.
- 2) If contaminated, the mechanic should drain the antifreeze in a different container than what is used to store used recyclable antifreeze.
- 3) The mechanic working with this antifreeze should treat the contaminated antifreeze as hazardous waste and report it to the unit EQO.
- 4) Maintenance personnel shall label the contaminated drum/container with the words "HAZARDOUS WASTE" and follow labeling, storage and collection procedures stated in the Environmental Handbook, Chapter 11.

Note: DO NOT pour contaminated used antifreeze into the USED ANTIFREEZE container.

- 5) Fill out form DD Form 2407 for recycling Used uncontaminated Antifreeze.
- 6) The unit will label the drum containing the used antifreeze on the lid with the words "USED ANTIFREEZE. The containers should be labeled with pre printed decals and numbered.
- 7) Do not write the unit name on the drum, the drum will be tracked by the number that is on the drum.
- 8) Contact DPW Environmental (9790) to transport the Used Antifreeze.

- b. PWBC Environmental Division will:

- 1) Test and transport the filled "USED ANTIFREEZE" drum and the empty "RECYCLED ANTIFREEZE" drum to DOL for recycling.
- 2) Collect contaminated used antifreeze as a hazardous waste, ensuring proper labeling and storage procedures have been followed.

RECYCLED ANTIFREEZE

- a. The Environmental Division will provide units with plastic drums color coded (Blue) for storing and transporting recycled antifreeze.

Note: These drums will be dedicated to the antifreeze recycling program and not be used for any other purpose.

- b. DOL will place the recycled antifreeze into a clean blue container

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marked, "RECYCLED ANTIFREEZE".

c. Maintenance Personnel will:

- 1) Contact DOL Shop 4, phone 2284, Building 754.
 - a) Recycled Antifreeze is available in 5 gal and 55 gallon containers.
 - b) Recycled Antifreeze will be placed in blue colored containers.
 - c) When this container is empty, the empty container should be returned to the Environmental Division for reuse. Do not place the used antifreeze that is being drained from the vehicles into these containers.
 - d) Do not dispose of container, as it can be reused.
- 2) Pump down the "RECYCLED ANTIFREEZE" drum as needed to supply the unit's coolant requirements. This antifreeze is pre mixed and should have a protection factor of -20 to -30 °F, as per TB 750-651
- 3) Fill the "USED ANTIFREEZE" drum with uncontaminated antifreeze for recycling by DOL.
- 4) Do NOT fill the drum marked "RECYCLED ANTIFREEZE" with used antifreeze from the vehicles. This container must be returned to Environmental division for reuse with clean recycled antifreeze.

7. **Additional Guidance:**

- a. For additional guidance, information, answers to your questions and an appointment for pick ups of your Used Antifreeze, contact DPW Environmental Division, phone 9790.
- b. For future reference, place this document behind *Tab Number 14* in your Fort Campbell Environmental Handbook.